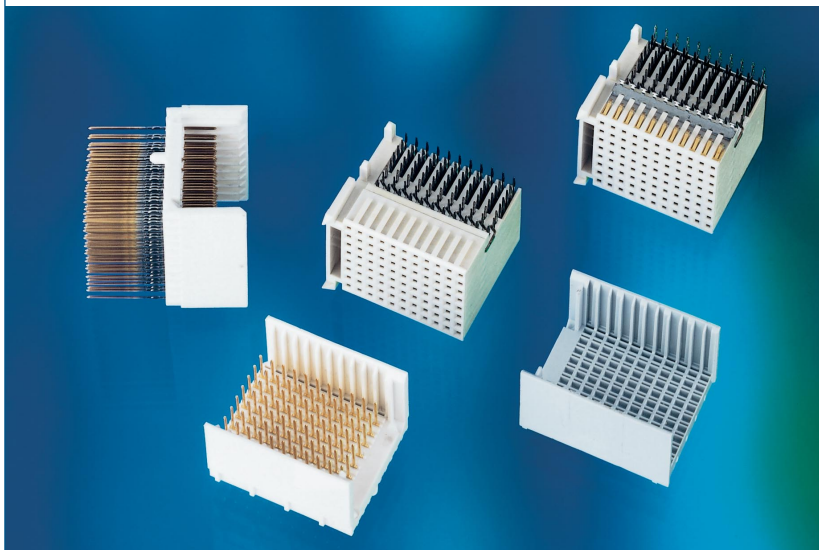


Interconnection System



Features & Benefits

- Header and Receptacle modules with Press-fit terminations
- Shroud Modules provide excellent terminal positioning support
- Header Modules offer Short or Plug-Up terminations
- One-piece rigid receptacle housing design
- Integrated shielding (optional)
- Customized loading patterns
- All 8 row Receptacle Modules have a reduced tail grid in transversal direction (1.5 mm) – that means almost 40% more contacts in less than 20% more space than 5 row

Description

A new module type has been added to our product offering for the 8+2 row family, the FR module.

The new FR module is designed to compliment the existing F module in applications where a Type F module is used on the front side of the backpanel and a mirror image of this same module (thus called the F Reversed or FR module) is required on the rear side of the board in order to make a complete midplane system.

The 25mm type F module offers 88 signals with an asymmetrical guide feature (at one end of the connector body), the new type FR module has the same guide feature, but it is located on the opposite side of the body.

The Millipacs® 2 mm Hard Metric Interconnection System consists of 5+2 and 8+2 row Connector families compliant with the IEC specifications.

Target Markets

- Telecom
- Datacom
- Test equipment & industrial instrumentation

Target Applications

- Test equipment: IC test equipment
- Datacom: Routers, hubs, core switches, modems
- Telecom: Switches
- Applications with auxiliary cards (Clock, option, etc.)
- cPCI designs requiring higher density of signals

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717 938 7200
Europe Tel.: 33 1 39 49 21 83
Asia/Pacific Tel.: 65 549 6666

Millipacs® 8 Row Type FR

Technical Features

Materials

- Housings: Glass filled, high temperature LCP for receptacle housings and PBT for header housings
- Contacts: Phosphor bronze
- Plating: Selective gold over nickel all over, tin-lead on press fit areas

Specifications

- Products fully in accordance with IEC 61076-4-101, but not yet included in the specification as of this date

Part Numbers

Mechanical Performance

- Mating force: 0.75 N max. per contact pair
- Withdrawal force: 0.15 N min. per contact pair
- Normal force: 0.75 N min. (EOL)

Electrical Performance

- Operating temperature: -55°C to +125°C
- Current rating: 1.5 A at 20°C, 1.0 A at 70°C
- Contact resistance: 20mΩ max.
- Insulation resistance: 10⁴ MΩ min.

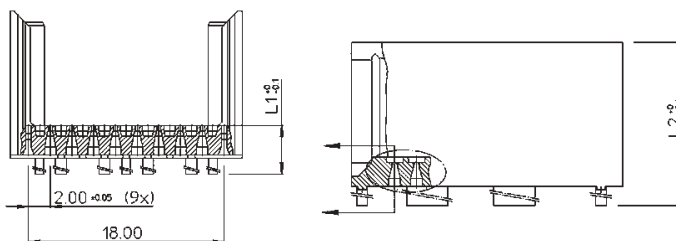
Approvals & Certifications

- Recognized per UL/CSA
- Qualified per Bellcore specifications

Description	Part Number	Insertion Tooling
FR Receptacle with location pegs, Unshielded	HM2R82PA8100N9	Flat Rock
FR Receptacle with location pegs, Shielded and 2pc Lower Shield Compatible	HM2R82PA8101N9	Flat Rock
FR Receptacle with location pegs, Top shielded and 1pc Lower Shield Compatible	HM2R82PA8108N9	Flat Rock
FR 1 piece lower shield	HM2LS11A8*	Flat Rock
FR Receptacle without location pegs, Unshielded	HM2R90PA8100N9	Flat Rock
FR Receptacle without location pegs, Shielded and 2pc Lower Shield Compatible	HM2R90PA8101N9	Flat Rock
FR Receptacle without location pegs, Top shielded and 1pc Lower Shield Compatible	HM2R90PA8108N9	Flat Rock
FR 1 piece lower shield	HM2LS11A8*	Flat Rock
FR Header, Unshielded stub contacts	HM2P82PD8110N9	PAY245A14
FR Header, Shielded stub contacts	HM2P82PD8111N9	PAY245A14
FR Header, Unshielded RPU contacts	HM2P82PK8110GF	PAY245A14
FR Header, Shielded RPU contacts	HM2P82PK8111GF	PAY245A14
FR Shroud for RPU Tails - See detail below for FR Shroud standoff variations	HM2H82PI__	PAY245A102

* Availability Q3 2002

Part Number	L1	L2	Availability
HM2H82PI	3.0	13.45	Available
HM2H82PI09	3.9	14.35	Available
HM2H82PI15	4.5	14.95	Available
HM2H82PI17	4.7	15.15	Available
HM2H82PI19	4.9	15.35	Available
HM2H82PI22	5.2	15.65	Not Available Yet
HM2H82PI30	6.0	16.45	Not Available Yet



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